

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/602,663
Source: IFW O
Date Processed by STIC: 11/04/2005

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 11/04/2005

PATENT APPLICATION: US/10/602,663

TIME: 13:38:07

Input Set : N:\CrF3\RULE60\10602663.raw

Output Set: N:\CRF4\11042005\J602663.raw

```

1 <110> APPLICANT: CHARNEAU, PIERRE
2     ZENNOU, VERONIQUE
3     FIRAT, HUSEYIN
4 <120> TITLE OF INVENTION: USE OF TRIPLEX STRUCTURE DNA SEQUENCES FOR TRANSFERRING
5     NUCLEOTIDE SEQUENCES
6 <130> FILE REFERENCE: 03495.0199
7 <140> CURRENT APPLICATION NUMBER: US/10/602,663
8 <141> CURRENT FILING DATE: 2003-06-25
9 <150> PRIOR APPLICATION NUMBER: US/09/688,990
10 <151> PRIOR FILING DATE: 2000-10-17
11 <150> PRIOR APPLICATION NUMBER: PCT/FR99/00974
12 <151> PRIOR FILING DATE: 1999-04-23
13 <160> NUMBER OF SEQ ID NOS: 33
14 <170> SOFTWARE: PatentIn Ver. 2.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 14
18 <212> TYPE: DNA
19 <213> ORGANISM: Lentivirus
20 <400> SEQUENCE: 1
21     aacaaaggga ggga                                     14
23 <210> SEQ ID NO: 2
24 <211> LENGTH: 24
25 <212> TYPE: DNA
26 <213> ORGANISM: Lentivirus
27 <400> SEQUENCE: 2
28     aaaaaatttt gtttttataa aatc                             24
30 <210> SEQ ID NO: 3
31 <211> LENGTH: 23
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
36 <400> SEQUENCE: 3
37     ccggatcccc accggtcgcc acc                               23
39 <210> SEQ ID NO: 4
40 <211> LENGTH: 23
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
45 <400> SEQUENCE: 4
46     cctcgagct agagtcgcgg ccg                               23
48 <210> SEQ ID NO: 5

```

RAW SEQUENCE LISTING

DATE: 11/04/2005

PATENT APPLICATION: US/10/602,663

TIME: 13:38:07

Input Set : N:\Crf3\RULE60\10602663.raw

Output Set: N:\CRF4\11042005\J602663.raw

```

49 <211> LENGTH: 38
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
54 <400> SEQUENCE: 5
55      gtcgtcggcg ccgaattcac aaatggcagt attcatcc 38
57 <210> SEQ ID NO: 6
58 <211> LENGTH: 34
59 <212> TYPE: DNA
60 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
63 <400> SEQUENCE: 6
64      gtcgtcggcg ccccaaagtg gatctctgct gtcc 34
66 <210> SEQ ID NO: 7
67 <211> LENGTH: 32
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
72      oligonucleotide
73 <400> SEQUENCE: 7
74      ccagatctac gcgtgccacc atggctgctg gt 32
76 <210> SEQ ID NO: 8
77 <211> LENGTH: 27
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
82      oligonucleotide
83 <400> SEQUENCE: 8
84      cggaattcga cctaaacgca acggatg 27
86 <210> SEQ ID NO: 9
87 <211> LENGTH: 200
88 <212> TYPE: DNA
89 <213> ORGANISM: Caprine arthritis encephalitis virus
90 <400> SEQUENCE: 9
91      gttccagcca caatttgctg ctgtagaatc agccatagca gcagccctag tcgccataaa 60
92      tataaaaaga aagggtgggc tggggacaag ccctatggat atttttatat ataataaaga 120
93      acagaaaaga ataaataata aatataataa aaattctcaa aaaattcaat tctgttatta 180
94      cagaataagg aaaagaggac 200
96 <210> SEQ ID NO: 10
97 <211> LENGTH: 200
98 <212> TYPE: DNA
99 <213> ORGANISM: Equine infectious anaemia virus
100 <400> SEQUENCE: 10
101      cttgtaacaa agggagggaa agtatgggag gacagacacc atgggaagta tttatcacta 60
102      atcaagcaca agtaatacat gagaaacttt tactacagca agcacaatcc tccaaaaaat 120

```

RAW SEQUENCE LISTING

DATE: 11/04/2005

PATENT APPLICATION: US/10/602,663

TIME: 13:38:07

Input Set : N:\Crf3\RULE60\10602663.raw

Output Set: N:\CRF4\11042005\J602663.raw

```

103      tttgttttta caaaatccct ggtgaacatg attggaaggg acctactagg gtgctgtgga 180
104      agggatgatgg tgcagtagta                                     200
106 <210> SEQ ID NO: 11
107 <211> LENGTH: 200
108 <212> TYPE: DNA
109 <213> ORGANISM: Lentivirus
110 <400> SEQUENCE: 11
111      ggaccctcat tactctaaat ataaaaagaa aggggtgggct agggacaagc cctatggata 60
112      tatattatatt taataaggaa caacaaagaa tacagcaaca aagtaaataa aaacaagaaa 120
113      aaattcgatt ttgttattac agaacaagaa aaagagggga tccaggagag tggcaaggac 180
114      caacacaggt actttggggc                                     200
116 <210> SEQ ID NO: 12
117 <211> LENGTH: 200
118 <212> TYPE: DNA
119 <213> ORGANISM: Simian immunodeficiency virus
120 <400> SEQUENCE: 12
121      tactgatggc ttgcatactt cacaatttta aaagaaaggg aggaataggg ggacagactt 60
122      cagcagagag actaattaat ataataacaa cacaattaga aatacaacat ttacaaacca 120
123      aaattcaaaa aatttttaaat tttagagtct actacagaga agggagagac cctgtgtgga 180
124      aaggaccggc acaattaatc                                     200
126 <210> SEQ ID NO: 13
127 <211> LENGTH: 200
128 <212> TYPE: DNA
129 <213> ORGANISM: Human immunodeficiency virus
130 <400> SEQUENCE: 13
131      tgcatagaatt ttaaaagaag ggggggaata ggggatatga ctccatcaga aagattaatc 60
132      aatatgatca ccacagaaca agagatacaa ttcttccaag ccaaaaattc aaaattaaaa 120
133      gattttcggg tctatttcag agaaggcaga gatcagttgt ggaaaggacc tggggaacta 180
134      ctgtggaaaag gagaaggagc                                     200
136 <210> SEQ ID NO: 14
137 <211> LENGTH: 200
138 <212> TYPE: DNA
139 <213> ORGANISM: Human immunodeficiency virus
140 <400> SEQUENCE: 14
141      cagtattcat ccacaatttt aaaagaaaag gggggattgg ggggtacagt gcaggggaaa 60
142      gaatagtaga cataatagca acagacatac aaactaaaga attacaaaaa caaattacaa 120
143      aaattcaaaa ttttcgggtt tattacaggg acagcagaga tccactttgg aaaggaccag 180
144      caaagctcct ctggaaaggt                                     200
146 <210> SEQ ID NO: 15
147 <211> LENGTH: 15
148 <212> TYPE: DNA
149 <213> ORGANISM: Human immunodeficiency virus
150 <400> SEQUENCE: 15
151      aaaagaaaag gggggg                                     15
153 <210> SEQ ID NO: 16
154 <211> LENGTH: 14
155 <212> TYPE: DNA
156 <213> ORGANISM: Human immunodeficiency virus
157 <400> SEQUENCE: 16

```

RAW SEQUENCE LISTING

DATE: 11/04/2005

PATENT APPLICATION: US/10/602,663

TIME: 13:38:07

Input Set : N:\Crf3\RULE60\10602663.raw

Output Set: N:\CRF4\11042005\J602663.raw

```

158      aaaacaaggg gggg                      14
160 <210> SEQ ID NO: 17
161 <211> LENGTH: 15
162 <212> TYPE: DNA
163 <213> ORGANISM: Unknown Organism
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Unknown Organism: SIV mac or
166      HIV-2NH-Z
167 <400> SEQUENCE: 17
168      aaaagaaaag ggggg                      15
170 <210> SEQ ID NO: 18
171 <211> LENGTH: 15
172 <212> TYPE: DNA
173 <213> ORGANISM: Simian immunodeficiency virus
174 <400> SEQUENCE: 18
175      aaaagaaaag ggagg                      15
177 <210> SEQ ID NO: 19
178 <211> LENGTH: 22
179 <212> TYPE: DNA
180 <213> ORGANISM: Lentivirus
181 <400> SEQUENCE: 19
182      aaaaagaaaa aagaaagggt gg              22
184 <210> SEQ ID NO: 20
185 <211> LENGTH: 22
186 <212> TYPE: DNA
187 <213> ORGANISM: Caprine arthritis encaphalitis virus
188 <400> SEQUENCE: 20
189      aaaaataaaa aaagaaaggg tg              22
191 <210> SEQ ID NO: 21
192 <211> LENGTH: 13
193 <212> TYPE: DNA
194 <213> ORGANISM: Equine infectious anaemia virus
195 <400> SEQUENCE: 21
196      aacaaggggg gaa                      13
198 <210> SEQ ID NO: 22
199 <211> LENGTH: 9
200 <212> TYPE: PRT
201 <213> ORGANISM: Unknown Organism
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Unknown Organism: Melanoma peptide
204 <400> SEQUENCE: 22
205      Lys Thr Trp Gly Gln Tyr Trp Gln Val
206          1              5
208 <210> SEQ ID NO: 23
209 <211> LENGTH: 9
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of Artificial Sequence: Melanoma

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/602,663

DATE: 11/04/2005

TIME: 13:38:07

Input Set : N:\Crf3\RULE60\10602663.raw

Output Set: N:\CRF4\11042005\J602663.raw

```

214      peptide
215 <400> SEQUENCE: 23
216      Ile Thr Asp Gln Val Pro Phe Ser Val
217          1                      5
219 <210> SEQ ID NO: 24
220 <211> LENGTH: 9
221 <212> TYPE: PRT
222 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Melanoma
225      peptide
226 <400> SEQUENCE: 24
227      Tyr Leu Glu Pro Gly Pro Val Thr Ala
228          1                      5
230 <210> SEQ ID NO: 25
231 <211> LENGTH: 10
232 <212> TYPE: PRT
233 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: Melanoma
236      peptide
237 <400> SEQUENCE: 25
238      Leu Leu Asp Gly Thr Ala Thr Leu Arg Leu
239          1                      5          10
241 <210> SEQ ID NO: 26
242 <211> LENGTH: 9
243 <212> TYPE: PRT
244 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Description of Artificial Sequence: Melanoma
247      peptide
248 <400> SEQUENCE: 26
249      Ala Ala Gly Ile Gly Ile Leu Thr Val
250          1                      5
252 <210> SEQ ID NO: 27
253 <211> LENGTH: 9
254 <212> TYPE: PRT
255 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence: Melanoma
258      peptide
259 <400> SEQUENCE: 27
260      Ile Leu Thr Val Ile Leu Gly Val Leu
261          1                      5
263 <210> SEQ ID NO: 28
264 <211> LENGTH: 9
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:

```

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 11/04/2005

PATENT APPLICATION: US/10/602,663

TIME: 13:38:08

Input Set : N:\Crf3\RULE60\10602663.raw

Output Set: N:\CRF4\11042005\J602663.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 4

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/602,663

DATE: 11/04/2005

TIME: 13:38:08

Input Set : N:\Crf3\RULE60\10602663.raw

Output Set: N:\CRF4\11042005\J602663.raw